



MS690 Laser Scanner Series

Though sleek and lightweight, it withstands multiple 5-foot drops onto concrete floor. And the extended nose and rubber bumper prevent further damage.

Its high speed scanning, low power consumption and effective depth of field, make the MS690 series suitable for a wide range of applications. Furthermore, our powerful decoder allows data to be edited and formatted before it is sent to the host. This feature saves time and money by making software changes unnecessary.

The decoded MS690 supports keyboard wedge interface for PC XT/AT, PS/2, Macintosh and over sixteen popular terminals. Wand emulation and serial RS232 are also supported. When used as a keyboard wedge, the operation of the keyboard remains unaffected. It uses a 3-in-1 interface which makes it easy to select and replace connection cables.

Like with our other products, configuration of the scanner is fast and easy. A bar code menu provides extensive setup options. A simpler quick setup menu lets users configure common features. Once ready, the configuration can be cloned and applied to other units through the use of custom bar code labels. This is very useful when you need to deploy large installations.

It is the right scanner for office automation, retail and light industrial applications.

All Unitech scanners are manufactured at our ISO 9001 certified factory. The MS690 series have a 2-year limited warranty.

Main Features:

- High performance scan engine.
- Superior long reading distance.
- Reads and discriminates commonly used bar code symbologies.
- Adjustable hands-free stand for retail applications.
- Replaceable interface cable.
- Easy to use and configure.
- Advanced Data Editing features.
- Supports configuration cloning through custom bar code labels.
- Supports multiple interfaces.



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Ordering Information:

MS690WA-0	Undecoded (TTL output)
MS690WA-1	Decoded (supports RS232, keyboard wedge and wand emulation)
MS690HD-0	Undecoded (TTL output), high density scan engine
MS690HD-1	Decoded, high density scan engine
MS690WA-2	Decoded, IBM POS Terminals interface
MS690WA-3	Decoded, OCIA interface

SPECIFICATIONS

OPTICAL:			
Light Source	670 ± 10 nm laser diode		
Scan Rate	36 ± 3 scans/sec		
Optical Resolution	5 mils (0.127mm) min.		
Pitch	±55° from normal		
Skew	±65° from normal		
Print Contrast	20% absolute dark/light reflectance at 670 nm		
Depth of Field	Density	Distance	Max. Width
	5 mils	2 ~ 4"	4.4"
	7.5 mils	1 ~ 7"	6.4"
	10 mils	1 ~ 10"	8.4"
	20 mils	0 ~ 14"	11"
	40 mils	0 ~ 20"	15"
	55 mils	0 ~ 23"	20.6"
<i>Minimum distance is determined by symbol length and scan angle</i>			
DECODER:			
Symbologies	Code 39, Full ASCII Code 39, Interleave 2 of 5, Standard 2 of 5, Code 32, MSI,/Plessey, Italian Pharmacy, Codabar, Code 11, EAN 8/13, UPC A/E, Code 93, Delta distance code, Code 128, China Postal Code		
Operation	Trigger, flash and continuous mode		
Data editing	Prefix, suffix, Code Id and reformatting data		
Function keys	PC, Macintosh and IBM terminal keyboard		
ENVIRONMENTAL:			
Operating temperature	0°C ~ 50°C (32°F ~ 122°F)		
Storage temperature	-4°C ~ 70°C (26°F ~ 158°F)		
Humidity	5% to 85% RH non-condensing		
MECHANICAL / ELECTRICAL:			
Weight	5.5 oz. (156g) cable not included		
Dimensions	147.5 x 58 x 147.3 mm (LxWxH)		
Cable	2m coiled		
Operating voltage	+4.3 to 14V DC		
Current consumption	TTL: 95 mA (standby) / 110mA (working)		
EMI protection	Complies with FCC class A and CE approved		
CONNECTIVITY:			
MS690WA-0	Undecoded, TTL output only		
MS690WA-1	Supports PC XT/AT, PS/2, Macintosh (ADB), Notebook RS232 for serial wedge, terminal wedge, serial TTL inverted, wand emulation with code 39 conversion option, IBM, DEC, Dorio, Decision Data and other commonly used terminals		
MS690WA-2	IBM POS terminal 468X/469X		
MS690WA-3	OCIA interface for NCR, DTS, SNI and SIEMENS format		